

PCTWORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁷ : C07B	A2	(11) International Publication Number: WO 00/43332 (43) International Publication Date: 27 July 2000 (27.07.00)
(21) International Application Number: PCT/US00/01957 (22) International Filing Date: 25 January 2000 (25.01.00) (30) Priority Data: 60/117,099 25 January 1999 (25.01.99) US (71) Applicant (for all designated States except US): UNIVERSITY OF MEDICINE AND DENTISTRY OF NEW JERSEY [US/US]; 335 George Street, Suite 3200, New Brunswick, NJ 08903-2688 (US). (72) Inventor; and (73) Inventor/Applicant (for US only): RANA, Tariq, M. [US/US]; 22 Johanna Court, Piscataway, NJ 08854 (US). (74) Agents: REED, Janet, E. et al.; Saul, Ewing, Remick & Saul, L.L.P., Centre Square West, 1500 Market Street, 38th Floor, Philadelphia, PA 19102-2186 (US).		(81) Designated States: AU, CA, JP, US, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>Without international search report and to be republished upon receipt of that report.</i>
(54) Title: TAT-DERIVED OLIGOUREA AND ITS METHOD OF PRODUCTION AND USE IN HIGH AFFINITY AND SPECIFIC BINDING OF HIV-1 TAR RNA		
(57) Abstract This invention relates to the use of oligourea molecules to specifically inhibit protein-nucleic acid interactions. In particular, it provides an oligourea molecule that competes with the Tat molecule for the TAR RNA of HIV-1. Also provided is a method specifically inhibiting protein-nucleic and interactions, and kits.		